BELKIN®

Cable Specifications	
Part Family	**A7L604**
Description	**CAT 5e High Performance UTP Solid Cable: PVC**

Standards Compliance	ISO/IEC 11801 TIA/EIA-568-B.2

Construction		
Conductor	Size	24AWG x 4pairs
	Construction	Solid Bare Copper
	Conductor Diameter	1.0 / 0.515mm
Insulation	Ave. Thick.	0.20mm
	Min. Thick	0.18mm
	Diameter	0.92±0.05mm
	Material	FRPE
	Color Codes	1. Blue x White/Blue
		2. Orange x White/Orange
		3. Green x White/Green
		4. Brown x White/Brown
Jacket	Ave. Thick.	0.52mm
	Min. Thick	n/a
	Diameter	5.10±0.15mm
	Material	PVC

Electrical & Physical Properties	
Item	24AWG x 4pairs
Rating	75°C, 300V
Conductor Resistance	89.4Ω/km/20°C max
Mutual Capacitance	3.3pF/m max
Dielectric Strength	AC 1.5kV/2sec
Spark Test	1.75kV
Flame Retardant Test	CMR
Characteristic Impedence	100±15Ω @ 1 ~ 350MHz
Structural Return Loss	10.6dB min at 350MHz
Propagation Delay	536nS/100m max @ 350MHz

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Electrical Performance								
Frequency	Attenuation / Insertion Loss (min)	NEXT (min)	ACR (min)	PSNEXT (min)	PSACR (min)	ELFEXT (min)	PSELFEXT (min)	Return Loss (min)
(MHz)	(dB/100m)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB/100m)	(dB)
1.0	2.0	65.3	63.3	62.3	60.3	63.8	60.8	20.0
4.0	4.1	56.3	52.2	53.3	49.2	51.7	48.7	23.0
8.0	5.8	51.8	46.0	48.8	43.0	45.7	42.7	24.5
10.0	6.5	50.3	43.8	47.3	40.8	43.8	40.8	25.0
16.0	8.2	47.3	39.1	44.3	36.1	39.7	36.7	25.0
20.0	9.3	45.8	36.5	42.8	33.5	37.8	34.8	25.0
25.0	10.4	44.3	33.9	41.3	30.9	35.8	32.8	24.3
31.3	11.7	42.9	31.2	39.9	28.2	33.9	30.9	23.6
62.5	17.0	38.4	21.4	35.4	18.4	27.8	24.8	21.5
100.0	22.0	35.3	13.3	32.3	10.3	23.8	20.8	20.1
155.0	28.1	32.5	4.4	29.5	1.4	20.0	17.0	18.8
200.0	32.4	30.8	N/A	27.8	N/A	17.7	14.7	18.0
240.0	36.0	29.6	N/A	26.6	N/A	16.2	13.2	17.4
300.0	41.0	28.2	N/A	25.2	N/A	14.2	11.2	16.8
350.0	44.9	27.1	N/A	24.1	N/A	12.9	9.9	16.3